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PATENT

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Gregory A. Hunt
Date of Signature 2-25-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Benedyk et al. Group Art Unit: 2642

Serial No.: 09/839,394 Examiner: Not Assigned

Filed: April 20, 2001 Docket No.: 1322/45/2

For: METHODS AND SYSTEMS FOR PROVIDING DYNAMIC ROUTING KEY REGISTRATION

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the following references. Copies of the cited references, Forms PTO/SB/08A and PTO/SB/08B are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

U.S. Patent No. 6,324,183 to Miller et al. discloses systems and methods for communicating messages among Signaling System 7 (SS7) Signaling Points (SPs) and Internet Protocol (IP) nodes using Signal Transfer Points (STPs).

U.S. Patent No. 6,236,722 to Gilbert et al. discloses a method and system for using TCAP signaling for improved call setup from a virtual switching point.

U.S. Patent No. 6,215,783 to Neyman discloses a private IP telephony backbone linking widely-distributed enterprise sites.

U.S. Patent No. 6,201,804 to Kikinis discloses a network telephony interface systems between data network telephony and plain old telephone service including CTI enhancement.

U.S. Patent No. 6,195,425 to Farris discloses a telecommunications system with wide area internetwork control.

U.S. Patent No. 6,157,710 to Figurski et al. discloses a method and system for distributing messages from a signal transfer point to a plurality of service control points.

U.S. Patent No. 6,154,467 to Hager et al. discloses a high speed SS7 signaling adaptation device.

U.S. Patent No. 6,151,390 to Volftsun et al. discloses a method and apparatus for protocol conversion using channel associated signaling.

U.S. Patent No. 6,144,670 to Sponaugle et al. discloses an apparatus for establishing a voice call to a PSTN extension for a networked computer routing the call off the voice network.

U.S. Patent No. 6,144,667 to Doshi et al. discloses a network-based method and apparatus for initiating and completing a telephone call via the internet.

U.S. Patent No. 6,137,874 to Brown et al. discloses a method of using carrier information for enhanced call data processing by a telecommunications provider.

U.S. Patent No. 6,137,869 to Voit et al. discloses network session management.

U.S. Patent No. 6,134,246 to Cai et al. discloses inverse multiplexing within asynchronous transfer mode communication networks.

U.S. Patent No. 6,134,235 to Goldman et al. discloses a pots/packet bridge.

U.S. Patent No. 6,128,379 to Smyk discloses intelligent data peripheral systems and methods.

U.S. Patent No. H1,896 to Hoffpauir et al. discloses a network management system server and method for operation.

U.S. Patent No. H1,880 to Vines et al. discloses a system and method for processing wireless voice and data telecommunications.

U.S. Patent No. 6,125,177 to Whittaker discloses a telephone communications network with enhanced signaling and call routing.

U.S. Patent No. 6,125,111 to Snow et al. discloses architecture for a modular communications switching system.

U.S. Patent No. 6,122,365 to Yegoshin discloses a method and apparatus for load-balancing of call processing between multiple call-destination sites and routing of calls by way of call-destination sites control.

U.S. Patent No. 6,122,263 to Dahlin et al. discloses internet access for cellular networks.

U.S. Patent No. 6,122,255 to Bartholomew et al. discloses an internet telephone service with mediation.

U.S. Patent No. 6,119,160 to Zhang et al. discloses multiple-level internet protocol accounting.

U.S. Patent No. 6,118,780 to Dunn et al. discloses a communication network and method of operation for real time user selection of voice and/or data paths in the network.

U.S. Patent No. 6,118,779 to Madonna discloses an apparatus and method for interfacing processing resources to a telecommunications switching system.

U.S. Patent No. 6,115,383 to Bell et al. discloses a system and method of message distribution in a telecommunications network.

U.S. Patent No. 6,112,090 to Valentine discloses a system and method for forwarding calling party information.

U.S. Patent No. 6,111,893 to Volftsun et al. discloses universal protocol conversion.

U.S. Patent No. 6,097,805 to Figurski et al. discloses a method and system for distributing messages from a signal transfer point to a plurality of service control points.

U.S. Patent No. 6,097,719 to Benash et al. discloses a public IP transport network.

U.S. Patent No. 6,094,437 to Loehndorf, Jr., et al. discloses a layer two tunneling protocol (L2TP) merging and management.

U.S. Patent No. 6,084,956 to Turner et al. discloses SS7 mediation for data network call setup and services interworking.

U.S. Patent No. 6,084,892 to Benash et al. discloses a public IP transport network.

U.S. Patent No. 6,079,036 to Moharram discloses call message with traveling log for testing intelligent telecommunications network.

U.S. Patent No. 6,078,582 to Curry et al. discloses an internet long distance telephone service.

U.S. Patent No. 6,075,783 to Voit discloses an internet phone to PSTN cellular/PCS system.

U.S. Patent No. 6,069,890 to White et al. discloses an internet telephone service.

U.S. Patent No. 6,067,546 to Lund discloses a method and system for providing computer-network related information about a calling party.

U.S. Patent No. 6,064,653 to Farris discloses an internetwork gateway to gateway alternative communication.

U.S. Patent No. 6,047,005 to Sherman et al. discloses virtual bearer channel platform for processing service requests received in the form of channel data.

U.S. Patent No. 6,026,091 to Christie et al. discloses an ATM gateway system.

U.S. Patent No. 6,023,502 to Bouanaka et al. discloses a method and apparatus for providing telephone billing and authentication over a computer network.

U.S. Patent No. 6,021,126 to White et al. discloses telecommunication number portability.

U.S. Patent No. 6,018,515 to Sorber discloses message buffering for prioritized message transmission and congestion management.

U.S. Patent No. 6,011,803 to Bicknell et al. discloses a distributed-protocol server.

U.S. Patent No. 6,011,794 to Mordowitz et al. discloses an internet based telephone apparatus and method.

U.S. Patent No. 6,011,780 to Vaman et al. discloses a transparent non-disruptable ATM network.

U.S. Patent No. 6,014,379 to White et al. discloses telecommunications custom calling services.

U.S. Patent No. 6,006,098 to Rathnasabapathy et al. discloses a system and method for application location register routing in a telecommunications network.

U.S. Patent No. 5,995,608 to Detampel, Jr. et al. discloses a method and apparatus for on-demand teleconferencing.

U.S. Patent No. 5,991,301 to Christie discloses a broadband telecommunications system.

U.S. Patent No. 5,974,052 to Johnson et al. discloses a frame relay access device and method for transporting SS7 information between signaling points.

U.S. Patent No. 5,958,016 to Chang et al. discloses internet-web link for access to intelligent network service control.

U.S. Patent No. 5,949,871 to Kabay et al. discloses a method and apparatus for providing a service in a switched telecommunications system wherein a control message is altered by a receiving party.

U.S. Patent No. 5,940,598 to Strauss et al. discloses a telecommunications network to internetwork universal server.

U.S. Patent No. 5,926,482 to Christie et al. discloses a telecommunications apparatus, system, and method with an enhanced signal transfer point.

U.S. Patent No. 5,923,659 to Curry et al. discloses a telecommunications network.

U.S. Patent No. 5,920,562 to Christie, et al. discloses systems and methods for providing enhanced services for telecommunication call.

U.S. Patent No. 5,917,900 to Allison et al. discloses a remote data gateway.

U.S. Patent No. 5,912,887 to Sehgal discloses a system and method for implementing user-to-user data transfer services.

U.S. Patent No. 5,892,822 to Gottlieb et al. discloses a method of and system for call routing compliant with international regulatory routing requirements.

U.S. Patent No. 5,889,954 to Gessell et al. discloses a network manager providing advanced interconnection capability.

U.S. Patent No. 5,878,129 to Figurski et al. discloses a method and system for distributing messages from a signal transfer point to a plurality of service control points.

U.S. Patent No. 5,872,782 to Dendi discloses an encapsulation of proprietary protocol information conforming to the ITU-T recommendation Q.763 ISUP standard.

U.S. Patent No. 5,870,565 to Glitho discloses a telecommunications management network connected to a common channel signaling network.

U.S. Patent No. 5,867,495 to Elliott et al. discloses a system, method and article of manufacture for communications utilizing calling plans in a hybrid network.

U.S. Patent No. 5,852,660 to Lindquist et al. discloses a network protocol conversion module within a telecommunications system.

U.S. Patent No. 5,838,782 to Lindquist discloses a system for converting a routing address within a telecommunications network.

U.S. Patent No. 5,828,844 to Civanlar et al. discloses an internet NCP over ATM.

U.S. Patent No. 5,815,669 to Lee et al. discloses a method of routing a data transmission.

U.S. Patent No. 5,812,781 to Fahlman et al. discloses a system for routing incoming connection-less messages to processes which are already handling messages from same source node.

U.S. Patent No. 5,805,587 to Norris et al. discloses a call notification feature for a telephone line connected to the internet.

U.S. Patent No. 5,802,285 to Hirviniemi discloses a wide area network (WAN) interface for a transmission control protocol/internet protocol (TCP/IP) in a local area network (LAN).

U.S. Patent No. 5,793,771 to Darland et al. discloses a communication gateway.

U.S. Patent No. 5,787,255 to Parlan et al. discloses an internetworking device with enhanced protocol translation circuit.

U.S. Patent No. 5,781,534 to Perlman et al. discloses a method and apparatus for determining characteristics of a path.

U.S. Patent No. 5,774,695 to Autrey et al. discloses a protocol interface gateway and method of connecting an emulator to a network.

U.S. Patent No. 5,768,525 to Kralowetz et al. discloses a transparent support of protocol and data compression features for data communication.

U.S. Patent No. 5,768,361 to Cowgill discloses a flexible enhanced signaling subsystem for a telecommunications switch.

U.S. Patent No. 5,764,955 to Doolan discloses a gateway for using legacy telecommunications network element equipment with a common management information protocol.

U.S. Patent No. 5,764,750 to Chau et al. discloses a communicating between diverse communications environments.

U.S. Patent No. 5,761,500 to Gallant et al. discloses a multi-site data communications network database partitioned by network elements.

U.S. Patent No. 5,761,281 to Baum et al. discloses a telephone call routing and switching techniques for data communications.

U.S. Patent No. 5,740,374 to Raffali-Schreinemachers discloses a system for transferring messages via different sub-networks by converting control codes into reference code compatible with a reference protocol and encapsulating the code with the message.

U.S. Patent No. 5,732,213 to Gessel et al. discloses a system and method of testing open systems interconnection (OSI) layers in telecommunication networks.

U.S. Patent No. 5,712,903 to Bartholomew et al. discloses split intelligent peripheral for broadband and narrowband services.

U.S. Patent No. 5,706,286 to Reiman et al. discloses an SS7 gateway.

U.S. Patent No. 5,701,301 to Weisser, Jr. discloses mediation of open advanced intelligent network in SS7 protocol open access environment.

U.S. Patent No. 5,696,809 to Voit discloses an advanced intelligent network based computer architecture for concurrent delivery of voice and text data using failure management system.

U.S. Patent No. 5,680,552 to Netravali et al. discloses a gateway system for interconnecting different data communication networks.

U.S. Patent No. 5,675,635 to Vos et al. discloses a system and method for conducting polling at a processor associated with the originating switch.

U.S. Patent No. 5,664,102 to Faynberg discloses an intelligent network internetworking access arrangement.

U.S. Patent No. 5,657,452 to Kralowetz et al. discloses transparent support of protocol and data compression features for data communication.

U.S. Patent No. 5,651,002 to Van Seters et al. discloses an internetworking device with enhanced packet header translation and memory.

U.S. Patent No. 5,640,446 to Everett et al. discloses a system and method of validating service calls having different signaling protocols.

U.S. Patent No. 5,638,431 to Everett et al. discloses a calling card validation system and method therefore.

U.S. Patent No. 5,586,177 to Farris et al. discloses an intelligent signal transfer point (ISTP).

U.S. Patent No. 5,583,927 to Ely et al. discloses a method and apparatus for integrating telephone and broadband networks.

U.S. Patent No. 5,581,558 to Horney, II. et al. discloses an apparatus for bridging non-compatible network techniques.

U.S. Patent No. 5,568,487 to Sitbon et al. discloses a process for automatic conversion for porting telecommunications applications from the TCP/IP network to the OSI-CO network, and module used in this process.

U.S. Patent No. 5,509,010 to LaPorta et al. discloses a communications signaling protocols.

U.S. Patent No. 5,430,727 to Callon discloses multiple protocol routing.

U.S. Patent No. 5,420,916 to Sekiguchi discloses a signaling network having common signaling node for protocol conversion.

U.S. Patent No. 5,384,840 to Blatchford et al. discloses a telecommunications system SS7 signaling interface with signal transfer capability.

U.S. Patent No. 5,315,641 to Montgomery et al. discloses a public switched telephone network access to public data network.

U.S. Patent No. 5,239,542 to Breidenstein et al. discloses a time division multiplex switching system for interconnecting telephone circuits which operate in accordance with different signaling systems and call formats.

U.S. Patent No. 5,208,811 to Kashio et al. discloses an interconnection system and method for heterogeneous networks.

U.S. Patent No. 5,142,622 to Owens discloses a system for interconnecting applications across different networks of data processing systems by mapping protocols across different network domains.

U.S. Patent No. 5,008,929 to Olsen et al. discloses a billing system for telephone signaling network.

International Patent Publication No. WO/0056032 to Costa et al. discloses telecommunications signaling using the internet protocol.

International Patent Publication No. WO/0031933 to Elliott et al. discloses a voice over data telecommunications network architecture.

International Patent Publication No. WO/0030369 to Graf et al. discloses security in telecommunications network gateways.

International Patent Publication No. WO/0022840 to Huopaniemi et al. discloses a method and system for forming a telecommunication connection.

International Patent Publication No. WO/9711563 to Christie et al. discloses a telecommunications apparatus, system and method with an enhanced signal transfer point.

Publication by O'shea entitled "Mating Season," Telephony, pp.10-11 (September 20, 1999).

Publication by Lakshmi-Ratan entitled "The Lucent Technologies Softswitch-Realizing the Promise of Convergence", Bell Labs Technical Journal, pp. 174-195 (April-June 1999).

Publication by Hamdi et al. entitled "Voice Service Interworking for PSTN and IP Networks", IEEE Communications Magazine, pp. 104-111 (May 1999).

Publication by Tekelec entitled "Eagle® Feature Guide," Publication PN/910-1225-01 (January, 1998).

Publication by Tekelec entitled "Eagle® STP Platform," Publication 908-0126-01 (1997).

Publication by Tekelec entitled "STP Lan Interface Feature," Publication 908-0134-01 (1997).

Publication by Tekelec entitled "STP Database Transport Access Feature," Publication 908-0136-01 (1997).

Publication by Tekelec entitled "STP X.25 to SS7-IS.41 Protocol Conversion Feature," Publication 908-0135-01 (1997).

Publication by Tekelec entitled "STP ANSI-ITU Gateway Feature," Publication 908-0133-01 (1997).

Publication by Tekelec entitled "SS7-Frame Relay Access Device SS7 Protocol Information Translator," Publication 908-0167-01 (1997).

Publication by O'shea entitled "The Network that's Never Done," Telephony, pp. 38, 40, 42, and 43 (September 15, 1997).

Publication by Snyder entitled "Rerouting Internet Traffic Jams," Telephony, p. 12 (November 11, 1996).

Publication by Snyder entitled "Branded with Optics," Telephony, pp. 49-50 (July 22, 1996).

Publication by Anonymous entitled "Around the Loop," Telephony, p. 26 (July 22, 1996).

Publication by Zaharychuk et al. entitled "Gateway Signal Transfer Points: Design, Services and Benefits," IEEE, pp. 223.2.1-223.2.8 (1990).

Inventor(s)	Application Number	Filing Date
Ravishankar, Peter J. Marsico		
Paul A. Miller, Robby D. Benedyk, Venkataramaiah Ravishankar, Peter J. Marsico	09/537,835	March 29, 2000
Robby D. Benedyk, David M. Sprague, Dan A. Brendes,	09/588,852	June 6, 2000
Robert J. Tinsley, Peter J. Marsico, David M. Sprague	09/618,807	July 28, 2000
Dan A. Brendes, Joseph W. Keller, Seetharaman Khadri	09/770,316	January 26, 2001
Robert J. Tinsley, Peter J. Marsico, Lee B. Smith, Virgil E. Long, Gregory A. Hunt	09/768,881	January 24, 2001
Robby D. Benedyk, Cory A. Grant, Peter J. Marsico, John R. Mason	09/735,142	December 12, 2000

Early passage of the subject application to issue is earnestly solicited.

Respectfully submitted,

JENKINS & WILSON, P.A.

Date: Feb 25, 2002 By: _____

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Enclosures

PTO/SB/08A (10-01)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known	
Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Art Unit	2642
Examiner Name	Not Assigned
Attorney Docket Number	1322/45/2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number - Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US-6,324,183	11/27/2001	Miller et al.	
	B	US-6,236,722	05/22/2001	Gilbert et al.	
	C	US-6,215,783	04/10/2001	Neyman	
	D	US-6,201,804	03/13/2001	Kikinis	
	E	US-6,195,425	02/27/2001	Farris	
	F	US-6,157,710	12/05/2000	Figurski et al.	
	G	US-6,154,467	11/28/2000	Hager et al.	
	H	US-6,151,390	11/21/2000	Volftsun et al.	
	I	US-6,144,670	11/07/2000	Sponaugle et al.	
	J	US-6,144,667	11/07/2000	Doshi et al.	
	K	US-6,137,874	10/24/2000	Brown et al.	
	L	US-6,137,869	10/24/2000	Voit et al.	
	M	US-6,134,246	10/17/2000	Cai et al.	
	N	US-6,134,235	10/17/2000	Goldman et al.	
	O	US-6,128,379	10/03/2000	Smyk	
	P	US-H1,896	10/03/2000	Hoffpauir et al.	
	Q	US-H1,880	10/03/2000	Vines et al.	
	R	US-6,125,177	09/26/2000	Whittaker	
	S	US-6,125,111	09/26/2000	Snow et al.	
	T	US-6,122,365	09/19/2000	Yegoshin	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] - Number[4] - Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	32	WO 00/56032	Costa et al.	09/21/2000		X
	33	WO 00/31933	Elliott et al.	06/02/2000		X
	34	WO 00/30369	Graf et al.	05/25/2000		X
	35	WO 00/22840	Huopaniemi et al.	04/20/2000		X

Examiner Signature		Date Considered	

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Sheet 2 of 6

Complete if Known	
Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Art Unit	2642
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	U	US-6,122,263	09/19/2000	Dhalin et al.	
	V	US-6,122,255	09/19/2000	Bartholomew et al.	
	W	US-6,119,160	09/12/2000	Zhang et al.	
	X	US-6,118,780	09/12/2000	Dunn et al.	
	Y	US-6,118,779	09/12/2000	Madonna	
	Z	US-6,115,383	09/05/2000	Bell et al.	
	AA	US-6,112,090	08/29/2000	Valentine	
	BB	US-6,111,893	08/29/2000	Volftsun et al.	
	CC	US-6,097,805	08/01/2000	Figurski et al.	
	DD	US-6,097,719	08/01/2000	Benash et al.	
	EE	US-6,094,437	07/25/2000	Loehndorf, Jr., et al.	
	FF	US-6,084,956	07/04/2000	Turner et al.	
	GG	US-6,084,892	07/04/2000	Benash et al.	
	HH	US-6,079,036	06/20/2000	Moharram	
	II	US-6,078,582	06/20/2000	Curry et al.	
	JJ	US-6,075,783	06/13/2000	Voit	
	KK	US-6,069,890	05/30/2000	White et al.	
	LL	US-6,067,546	05/23/2000	Lund	
	MM	US-6,064,653	05/16/2000	Farris	
		US-			

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First Named Inventor	Robby Darren Benedyk
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	NN	US-6,047,005	04/04/2000	Sherman et al.	
	OO	US-6,026,091	02/15/2000	Christie et al.	
	PP	US-6,023,502	02/08/2000	Bouanaka et al.	
	QQ	US-6,021,126	02/01/2000	White et al.	
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	SS	US-6,011,803	01/04/2000	Bicknell et al.	
	TT	US-6,011,794	01/04/2000	Mordowitz et al.	
	UU	US-6,011,780	01/04/2000	Vaman et al.	
	VV	US-6,014,379	01/11/2000	White et al.	
	WW	US-6,006,098	12/21/1999	Rathnasabapathy et al.	
	XX	US-5,995,608	11/30/1999	Detampel, Jr. et al.	
	YY	US-5,991,301	11/23/1999	Christie	
	ZZ	US-5,974,052	10/26/1999	Johnson et al.	
	AAA	US-5,958,016	09/28/1999	Chang et al.	
	BBB	US-5,949,871	09/07/1999	Kabay et al.	
	CCC	US-5,940,598	08/17/1999	Strauss et al.	
	DDD	US-5,926,482	07/20/1999	Christie et al.	
	EEE	US-5,923,659	07/13/1999	Curry et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 6

Complete if Known	
Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Art Unit	2642
Examiner Name	Not Assigned
Attorney Docket Number	1322/45/2

U.S. PATENT DOCUMENTS

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Sheet 5 of 6

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Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Art Unit	2642
Examiner Name	Not Assigned
Attorney Docket Number	1322/45/2

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Sheet 6 of 6

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Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Art Unit	2642
Examiner Name	Not Assigned
Attorney Docket Number	1322/45/2

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Sheet 1 of 2

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Application Number	09/839,394
Filing Date	04/20/2001
First Named Inventor	Robby Darren Benedyk
Group Art Unit	2642
Examiner Name	Not Assigned
Attorney Docket Number	1322/45/2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
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